SEP - 4 2001

K011674

510(k) Premarket Notification Summary

Austenal Inc.

Name & Address: AUSTENAL, INC.
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Contact: Ronald Dudek

Date Prepared: August 23, 2001

Trade or Proprietary Name: DC-Cristall for the DCS Precident CAD/CAM System

Classification Name: 76EIH -Powder, Porcelain,
Note: At this time a classification does not exist for a solid ceramic material. 76EIH is the closest based on intended use.

Device Description: The DC-Cristall material is a glass ceramic material, furnished in a block form, designed for use as feed stock in the DCS Precident CAD/CAM System.

Intended Use: The indications for use for DC-Cristall is as a substructure for single unit porcelain fused ceramic fixed dental restorations; namely crowns. Substructures of DC-Cristall are machined using the DCS Precident CAD/CAM System. The porcelain veneer is applied using dental porcelains currently on the market.

Technological Characteristics: DC-Cristall is a ceramic material that is similar in composition to other ceramic materials that are currently offered in the dental marketplace for the fabrication of single unit crowns.

Substantial Equivalence: DC-Cristall is substantially equivalent in concept to predicate devices (i.e. ceramic materials that are used in the CAD/CAM system) intended for use as the substructure of porcelain fused to ceramic crowns.

The safety and efficacy of DC-Cristall is assured by compliance with ISO 6872:1999 Dental Ceramics.

DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
9200 Corporate Boulevard
Rockville MD 20850

SEP - 4 2001

Mr. Ronald Dudek
Director of Technical Resources
Austenal, Incorporated
4101 West 51st Street
Chicago, Illinois 60632-4287

Re: K011674
Trade/Device Name: DC-Cristall
Regulation Number: 872.6660
Regulatory Class: II
Product Code: EIH
Dated: August 23, 2001
Received: August 27, 2001

Dear Mr. Dudek:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements

concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4613. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers, International and Consumer Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its Internet address http://www.fda.gov/cdrh/dsma/dsmamain.html.

Sincerely yours,

Timothy A. Ulatowski
Director
Division of Dental, Infection Control
and General Hospital Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

K011674

INDICATIONS FOR USE STATEMENT

As Required by CFR 807.87 (e)

510(k) Number (if known): K011674
Device Name: DC-Cristall

Indications For Use:

The indications for use for DC-Cristall is as a substructure for single unit porcelain fused ceramic fixed dental restorations; namely crowns. Substructures of DC-Cristall are machined using the DCS Precident CAD/CAM System.

(PLEASE DO NOT WRITE BELOW THIS LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use ✓ (Per 21 CFR 801.109) OR Over-The Counter Use ___ (Optional format 1-2-96)

Susan Runner

(Division Sign-Off)
Division of Dental, Infection Control,
and General Hospital Devices
510(k) Number K011674